



1634

1634

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (11-96)

Approved for use through 6/30/99. OMB 0651-0035

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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APPLICATION**

Application Number	09/928,250
Filing Date	09-Aug-2001
First Named Inventor	R. Elghanian
Group Art Unit	1634
Examiner Name	E. Whisenant
Attorney Docket Number	PB01110

I hereby appoint:

☒ Practitioners at Customer Number

22840

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant.

☒ Assignee of record of the entire interest
Certificate under 37 CFR 3.73(b) is enclosed

SIGNATURE of Applicant or Assignee of Record

Name

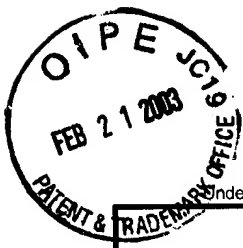
Andrew Rackear

Signature

Date

February 13, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Amersham Biosciences AB

Application No./Patent No.: 09/928,250 Filed/Issue Date: 9-Aug-2001

Use and Evaluation of a [2+2] Photocycloaddition in Immobilization of Oligonucleotides on a Three-Dimensional Hydrogel Matrix
Entitled: _____

Amersham Biosciences AB, a corporation,
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Robert Elghanian To: Motorola, Inc.
The document was recorded in the Patent and Trademark Office at
Reel 012336, Frame 0412, or for which a copy thereof is attached.
2. From: Charles K. Brush To: Motorola, Inc.
The document was recorded in the Patent and Trademark Office at
Reel 012336, Frame 0412, or for which a copy thereof is attached.
3. From: Yanzheng Xu To: Motorola, Inc.
The document was recorded in the Patent and Trademark Office at
Reel 012336, Frame 0412, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet.

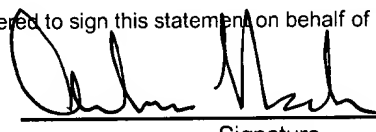
☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE]: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

February 13, 2003

Date


Signature

Andrew Rackear

Typed or printed name

Attorney-In-Fact
Title



STATEMENT UNDER 37 CFR 3.73(b)

**SUPPLEMENTAL SHEET LISTING ADDITIONAL DOCUMENTS IN THE
CHAIN OF TITLE**

4. From: Motorola, Inc. To: Amersham Biosciences AB

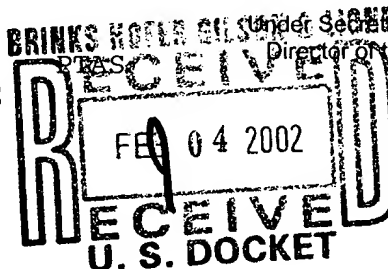
The document was recorded in the Patent and Trademark Office at
Reel 013323, Frame 0940, or for which a copy thereof is attached.



UNITED STATES
PATENT AND
TRADEMARK OFFICE

JANUARY 26, 2002

BRINKS HOFER GILSON & LIONE
JONATHAN M. BLANCHARD
P.O. BOX 10395
CHICAGO, IL 60610



Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



101916486A

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ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/28/2001

REEL/FRAME: 012336/0412
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ELGHANIAN, ROBERT

DOC DATE: 10/22/2001

ASSIGNOR:

BRUSH, CHARLES K.

DOC DATE: 10/25/2001

ASSIGNOR:

XU, YANZHENG

DOC DATE: 11/12/2001

ASSIGNEE:

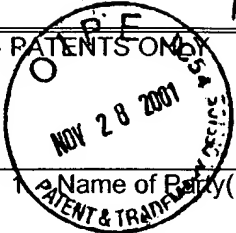
MOTOROLA
4088 COMMERICAL AVENUE
MD IL 08/46
NORTHBOOK, ILLINOIS 60062

SERIAL NUMBER: 09928250
PATENT NUMBER:

FILING DATE: 08/09/2001
ISSUE DATE:

012336/0412 PAGE 2

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



11/28/01

12-03-01

12-06-2001

8/14
VTS ONLY

TO THE COMMISSIONER F



101916486

Please record the attached original docu...

1. Name of Party(ies) conveying an interest: Robert Elghanian Charles K. Brush Yanzheng Xu	2. Name and Address of Party(ies) receiving an interest: Name: MOTOROLA Internal Address: MD IL 08/46 Street Address: 4088 Commercial Avenue City: Northbrook State/Zip: IL 60062 Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

3. Description of the interest conveyed:
☒ Assignment ☐ Change of Name Other:
☐ Security Agreement ☐ Merger

Execution Date: October 22, 2001, October 25, 2001, and November 12, 2001

4. Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is:

Date
A. Patent Application No.(s) 09/928,250
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed: BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, IL 60610 (312)321-4200	6. Number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$ <u>40</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to Deposit Account No. 23-1925 8. <input checked="" type="checkbox"/> Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.
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DO NOT USE THIS SPACE

12/05/2001 LHWELLER 00000065 09928250

01 FC:581

40.00 00

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jonathan M. Blanchard, Ph.D.
Name of Person Signing

Signature

November 28, 2001
Date

Total number of pages including cover sheet, attachments, and document: 5

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **ROBERT ELGHANIAN, SKOKIE, IL; CHARLES K. BRUSH, WHITEFISH BAY, WI;** and **YANZHENG XU, RICHMOND, CA**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in (Serial No. **09/928,250**, Docket No. **10907/15**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **MOTOROLA, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **MOTOROLA, INC.**, for the sole use and benefit of **MOTOROLA, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **MOTOROLA, INC.**

We agree that, when requested, we will, without charge to **MOTOROLA, INC.**, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in **MOTOROLA, INC.**, its successors, assigns and legal representatives or nominees.

We covenant with **MOTOROLA, INC.**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.



ROBERT ELGHANIAN

DATE: 10-22-01

STATE OF ILLINOIS
COUNTY OF COOK

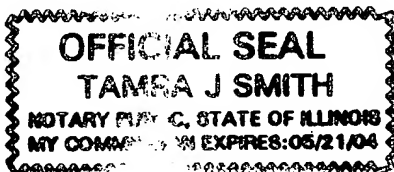
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Robert Elghanian whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 22ND day of OCTOBER, 2001.

My commission expires: May 21, 2004


Notary Public Signature

Tamra J. Smith
Printed Name of Notary Public



Charles K Brush
CHARLES K. BRUSH

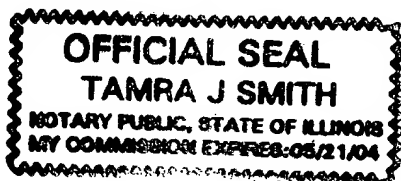
DATE: 10/25/01

STATE OF ILLINOIS
COUNTY OF COOK

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Charles K. Brush whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 25th day of October, 2001.

My commission expires: May 21, 2004



Tamra J. Smith
Notary Public Signature

Tamra J. Smith
Printed Name of Notary Public

Yanzheng Xu
YANZHENG XU

DATE: 11/12/01

STATE OF CALIFORNIA
COUNTY OF ALAMEDA

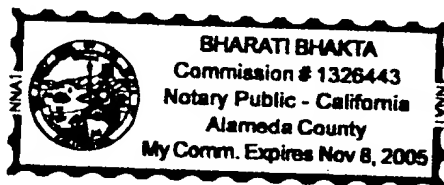
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Yanzheng Xu whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that ~~they~~ ^{she} signed, sealed and delivered the instrument as ~~their~~ ^{her} free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 12 day of November, 2001.

My commission expires: Nov 8, 2005

Bharati Bhakta
Notary Public Signature

BHARATI BHAKTA
Printed Name of Notary Public





UNITED STATES
PATENT AND
TRADEMARK OFFICE

JANUARY 06, 2003

PTAS

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Washington, DC 20231
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AMERSHAM BIOSCIENCES CORP
ROYAL N. RONNING, JR.
800 CENTENNIAL AVENUE
PISCATAWAY, NJ 08855



102238150A



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ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/25/2002

REEL/FRAME: 013323/0940
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MOTOROLA, INC.

DOC DATE: 07/18/2002

ASSIGNEE:
AMERSHAM BIOSCIENCES AB
BJORKGATAN 30
UPPSALA, SWEDEN SE751-84

✓ SERIAL NUMBER: 09580744
PATENT NUMBER:

FILING DATE: 05/26/2000
ISSUE DATE:

✓ SERIAL NUMBER: 60155431
PATENT NUMBER:

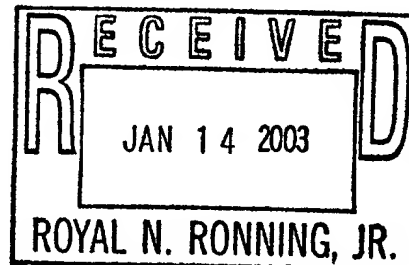
FILING DATE: 09/22/1999
ISSUE DATE:

✓ SERIAL NUMBER: 10114903
PATENT NUMBER:

FILING DATE: 04/01/2002
ISSUE DATE:

✓ SERIAL NUMBER: 09439889
PATENT NUMBER:

FILING DATE: 11/12/1999
ISSUE DATE:



✓ SERIAL NUMBER: 09334217
✓ PATENT NUMBER:

FILING DATE: 06/16/1999
ISSUE DATE:

SERIAL NUMBER: 09464490
PATENT NUMBER:

FILING DATE: 12/15/1999
ISSUE DATE:

SERIAL NUMBER: 09605766
PATENT NUMBER:

FILING DATE: 06/28/2000
ISSUE DATE:

SERIAL NUMBER: 09492013
PATENT NUMBER:

FILING DATE: 01/26/2000
ISSUE DATE:

✓ SERIAL NUMBER: 09344620
✓ PATENT NUMBER: 6372813

FILING DATE: 06/25/1999
ISSUE DATE: 04/16/2002

✓ SERIAL NUMBER: 09976986
✓ PATENT NUMBER:

FILING DATE: 10/11/2001
ISSUE DATE:

✓ SERIAL NUMBER: 10025185
✓ PATENT NUMBER:

FILING DATE: 12/19/2001
ISSUE DATE:

✓ SERIAL NUMBER: 09707823
✓ PATENT NUMBER: 6500921

FILING DATE: 11/07/2000
ISSUE DATE: 12/31/2002

✓ SERIAL NUMBER: 09642863
✓ PATENT NUMBER:

FILING DATE: 08/21/2000
ISSUE DATE:

✓ SERIAL NUMBER: 10022014
✓ PATENT NUMBER:

FILING DATE: 12/14/2001
ISSUE DATE:

✓ SERIAL NUMBER: 10114908
✓ PATENT NUMBER:

FILING DATE: 04/01/2002
ISSUE DATE:

✓ SERIAL NUMBER: 60950767
✓ PATENT NUMBER:

FILING DATE:
ISSUE DATE:

✓ SERIAL NUMBER: 09946424
✓ PATENT NUMBER:

FILING DATE: 09/05/2001
ISSUE DATE:

✓ SERIAL NUMBER: 09921045
✓ PATENT NUMBER:

FILING DATE: 08/02/2001
ISSUE DATE:

✓ SERIAL NUMBER: 10131426
✓ PATENT NUMBER:

FILING DATE: 04/23/2002
ISSUE DATE:

✓ SERIAL NUMBER: 09149506
✓ PATENT NUMBER: 6203985

FILING DATE: 09/08/1998
ISSUE DATE: 03/20/2001

✓ SERIAL NUMBER: 09149507
✓ PATENT NUMBER: 5936730

FILING DATE: 09/08/1998
ISSUE DATE: 08/10/1999

✓ SERIAL NUMBER: 09174605
✓ PATENT NUMBER: 6048699

FILING DATE: 10/19/1998
ISSUE DATE: 04/11/2000

✓SERIAL NUMBER: 09174606
PATENT NUMBER: 6096172

FILING DATE: 10/19/1998
ISSUE DATE: 08/01/2000

✓SERIAL NUMBER: 08533825
PATENT NUMBER: 5597182

FILING DATE: 09/26/1995
ISSUE DATE: 01/28/1997

✓SERIAL NUMBER: 08634103
PATENT NUMBER: 5671303

FILING DATE: 04/17/1996
ISSUE DATE: 09/23/1997

✓SERIAL NUMBER: 08861927
PATENT NUMBER: 5841914

FILING DATE: 05/22/1997
ISSUE DATE: 11/24/1998

✓SERIAL NUMBER: 08901102
PATENT NUMBER: 6103467

FILING DATE: 07/28/1997
ISSUE DATE: 08/15/2000

✓SERIAL NUMBER: 08634082
PATENT NUMBER: 5733509

FILING DATE: 04/17/1996
ISSUE DATE: 03/31/1998

✓SERIAL NUMBER: 08951319
PATENT NUMBER: 6013446

FILING DATE: 10/16/1997
ISSUE DATE: 01/11/2000

✓SERIAL NUMBER: 08648635
PATENT NUMBER: 5731152

FILING DATE: 05/13/1996
ISSUE DATE: 03/24/1998

✓SERIAL NUMBER: 08838491
PATENT NUMBER: 5948694

FILING DATE: 04/07/1997
ISSUE DATE: 09/07/1999

✓SERIAL NUMBER: 08859513
PATENT NUMBER: 6048691

FILING DATE: 05/20/1997
ISSUE DATE: 04/11/2000

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

10-02-2002

EET

U.S. DEPARTMENT OF COMMERCE
 Patent and Trademark Office



102238150

Tab settings → → → ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 Motorola, Inc.

2. Name and address of receiving party(ies):

Name: Amersham Biosciences AB

Internal Address: _____

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Street Address: Bjorkgatan 30Uppsala, Sweden SE751-84

City: _____ State: _____ ZIP: _____

Execution Date: July 18, 2002Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

09/580,744 09/334,217 09/344,620
 60/155,431 09/464,490 09/976,986
 10/114,903 09/605,766 10/025,185
 09/439,889 09/492,013 09/707,823

6,203,985 5,597,182 5,733,509
 5,936,730 5,671,303 6,013,446
 6,048,699 5,841,914 5,731,152
 6,096,172 6,103,467 5,948,694

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Royal N. Ronning, Jr.Internal Address: Amersham Biosciences Corp

10/02/2002 LINELLER 00000019 500588 09580744
 01 FL:581 1280.00 CH

Street Address: 800 Centennial AvenueCity: Piscataway State: NJ ZIP: 088556. Total number of applications and patents involved: **29**7. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

8. Deposit account number:

500-588

(Attach duplicate copy of this page if paying by deposit account)

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Royal N. Ronning, Jr.

Name of Person Signing

Signature

September 25, 2002

Date

Total number of pages including cover sheet, attachments, and document: **12**



Continuation of Patent Application No.(s):

09/642,863
10/022,014
10/114,908
60/950,767
09/946,424
09/921,045
10/131,426

Continuation of Patent No.(s):

6,048,691

PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT is entered into this 24th day of July 2002, by and between MOTOROLA, INC., a Delaware corporation (the "Assignor"), and AMERSHAM BIOSCIENCES AB, a corporation organized under the laws of Sweden (the "Assignee").

WHEREAS, the Assignor is the owner of certain new and useful inventions as described in the patent applications (whether pending or in the process of preparation) and patents listed in the attached Schedule (all such inventions, patents and patent applications collectively referred to as the "Patents"); and

WHEREAS, the Assignee, is desirous of acquiring, and Assignor is desirous of assigning to Assignee all of its right, title and interest in and to the Patents.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and conditions herein contained and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the parties hereto hereby agree as follows:

1. Assignor hereby SELLS, ASSIGNS and CONVEYS unto Assignee all of its right, title, and interest to:
 - a. The Patents, including all U.S. and foreign counterparts and rights of priority thereto;
 - b. Any continuations, continuations-in-part (in whole or in part) filed by Assignee, divisionals, extensions, renewals, reissues, utility models, inventor's certificates and reexaminations issuing from the Patents and filed by the Assignee;
 - c. All rights of action to recover for past, present and future damages for infringement of said Patents subject to any licensing agreement of the Assignor set forth on Schedule 2.1.1(a) of the Intellectual Property Agreement of even date herewith; and
 - d. The right for the Assignee to register any of the Patents transferred to the Assignee in its own name.
2. Assignor shall cooperate with Assignee, at Assignee's request, to execute all documents and deeds that are reasonably necessary for giving full effect to the assignment contained herein.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

MOTOROLA, INC.

AMERSHAM BIOSCIENCES AB

By: *Jonathan P. Meyer*
Name: JONATHAN P. MEYER
Title: SR. VICE PRESIDENT &
ASST. GENERAL COUNSEL
I.D. SECTION, LAW DEPT.

By: _____
Name: _____
Title: _____

THE STATE OF ILLINOIS 3
COUNTY OF COOK 3

Before me, the undersigned authority, on this 17th day of July, 2002 personally appeared JONATHAN P. MEYER, who being by me first duly sworn declared that he is the SR. V.P. + ASST. GEN'L COUNSEL of Motorola, Inc. and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.



Gabrielle Richards
Notary Public

THE STATE OF _____ 3
COUNTY OF _____ 3

Before me, the undersigned authority, on this _____ day of July, 2002 personally appeared _____, who being by me first duly sworn declared that he is the _____ of Amersham Biosciences AB and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

Notary Public

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

MOTOROLA, INC.

AMERSHAM BIOSCIENCES AB

By: _____

Name:

Title:

By: Andrew Carr

Name: Andrew Carr

Title: Authorized Signatory

THE STATE OF

3

3

COUNTY OF

3

Before me, the undersigned authority, on this _____ day of July, 2002 personally appeared _____, who being by me first duly sworn declared that he is the _____ of Motorola, Inc. and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

Notary Public

THE STATE OF New Jersey

3

3

COUNTY OF Middlesex

3

Before me, the undersigned authority, on this 18th day of July, 2002 personally appeared Andrew Carr, who being by me first duly sworn declared that he is the Authorized Signatory of Amersham Biosciences AB and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

Kim R. Novak
Notary Public

KIM R. NOVAK

Notary Public of New Jersey

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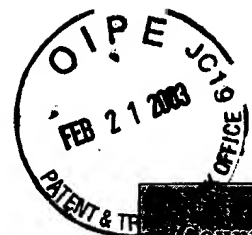
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Country	Patent Nos. / Appl. No.	Status	Title
Australia	707952	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
Australia	711411	Granted	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
Australia	56362/00	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Canada	2251942	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
Canada	2260897	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
Canada	PCT/US00/17422	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
France	9704604	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
France	9704606	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE-SPECIFIC DISPENSING BARS
India	968/Del/1997	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
India	977/Del/97	Filed	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE-SPECIFIC DISPENSING BARS
India	698/Del/97	Filed	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
Japan	2000-576950	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
Japan	9-537158	Filed	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE-SPECIFIC DISPENSING BARS
Japan	10-550418	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY



Country	Patent No. / Appl. No.	Status	Title
Japan	2001-507097	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Korea	10-2000-0013387	Filed	BIO-MOLECULE ANALYZER
Korea	10-2000-0015450	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	6,203,985	Granted	BIO-MOLECULE ANALYZER
United States	5,936,730	Granted	BIO-MOLECULE ANALYZER
United States	6,048,699	Granted	METHOD OF FABRICATION BIOCHIP ARRAYS
United States	6,096,172	Granted	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	09/580,744	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	5,597,182	Granted	PERSONAL HUMAN ANATOMY CARD
United States	5,671,303	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
United States	5,841,914	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
United States	6,103,467	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE-SPECIFIC DISPENSING BARS
United States	5,733,509	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE-SPECIFIC DISPENSING BARS
United States	6,013,446	Granted	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
United States	5,731,152	Granted	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
United States	5,948,694	Granted	MOLECULAR DETECTION APPARATUS
United States	6,048,691	Granted	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY



Country	Patent No. / Appl. No.	Status	Title
United States	60/155,431	Filed	DIMENSIONAL MICRO-ARRAY SYSTEM FOR PARALLEL GENOTYPING OF SINGLE NUCLEOTIDE POLYMORPHISM
United States	10/114,903	Filed	SINGLE NUCLEOTIDE POLYMORPHISM BIOCHIP ANALYSIS
United States	09/439,889	Filed	MACROPOROUS MEDIA FOR BIOLOGICAL APPLICATION
United States	09/334,217 (Second appl. awaiting S/N from USPTO)	Filed	POLYACRYLAMIDE HYDROGELS
United States	09/464,490 09/605,766 09/492,013	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
United States	09/344,620	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
United States	09/976,986 10/025,185	Filed	USE AND EVALUATION OF 2+2 PHOTOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE DIMENSIONAL HYDROGEL MATRIX
United States	09/707,823	Filed	SCHIFF BASE REDUCTANT CODISPENSE PROCESS
United States	09/642,863	Filed	BINDING ARRAYS
United States	10/022,014	Filed	POST-SYNTHESIS LABELING OF NUCLEIC ACIDS
United States	10/114,908	Filed	P450 SINGLE NUCLEOTIDE POLYMORPHISM BIOCHIP ANALYSIS
United States	60/950,767	Filed	RCA APPLICATION
United States	09/946,424	Filed	ARRAY USING MICROSPHERES
United States	09/921,045	Filed	RATIO-BASED OLIGONUCLEOTIDE PROBE SELECTION
Taiwan	NI-118637	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE



Regional Patent Office	Appl. No.	Status	Title
European Patent Office	99953162.7	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
European Patent Office	97921108.3	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
European Patent Office	9892372.1	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
European Patent Office	941693.4	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Patent Cooperation Treaty	US/00/25988	Filed	DIMENSIONAL MICRO-ARRAY SYSTEM FOR PARALLEL GENOTYPING OF SINGLE NUCLEOTIDE POLYMORPHISM
Patent Cooperation Treaty	US/00/42053	Filed	MACROPOROUS MEDIA FOR BIOLOGICAL APPLICATION
Patent Cooperation Treaty	US/00/34145	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
Patent Cooperation Treaty	US/01/02664	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
Patent Cooperation Treaty	US/01/24894	Filed	USE AND EVALUATION OF 2+2 PHOTOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE DIMENSIONAL HYDROGEL MATRIX
Patent Cooperation Treaty	US/01/41912	Filed	SCHIFF BASE REDUCTANT CODISPENSE PROCESS

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)Applicant(s): **Amersham Biosciences AB**

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Serial No.

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Examiner

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VariousInvention: **Various**

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